

Introduction to “Hazardous Material Manager Certification”



INTRODUCTION OF SPEAKER



Mr. LAVISH LOKHANDE M.Tech., CIH, CSP, CHMM, CMIOSH,
EM-BEE, iDip NEBOSH

RASS HSE COSNUTLANY LLP

Director & Lead IH & HSE Consultant

With over 30 years of core Oil & Gas Operations & HSE experience in the upstream, midstream & downstream sectors,

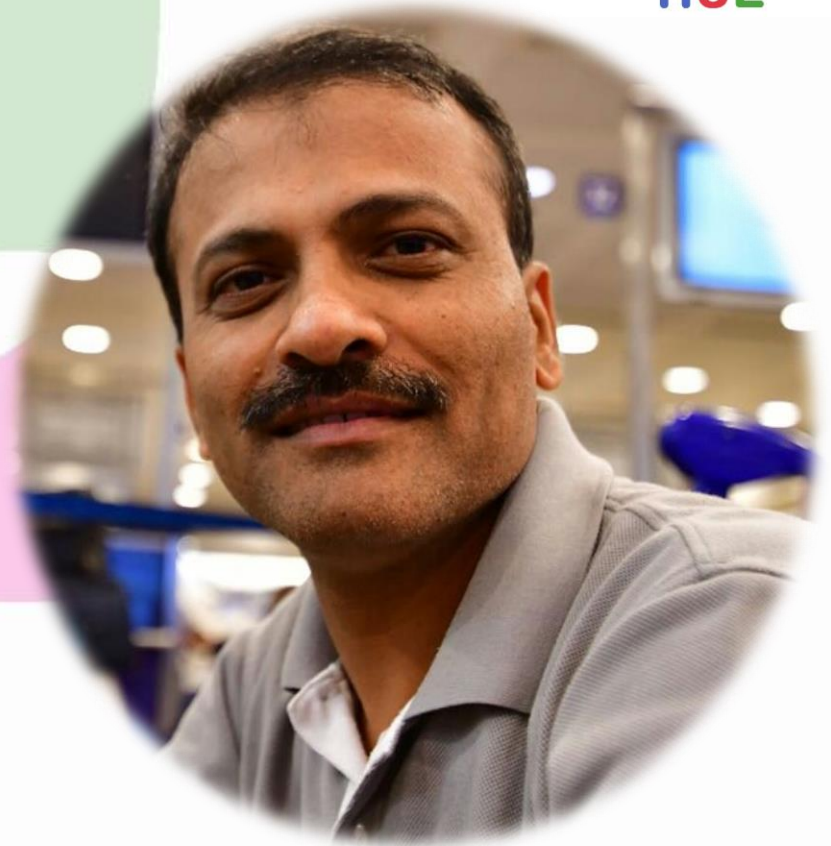
He has been associated with National & International organizations of repute like ExxonMobil-Singapore, Bharat Petroleum Co. Ltd. Refinery- India, Dolphin Energy Ltd-Qatar, ADNOC Offshore -UAE.

Contact Details:

lavishlokhande@rasshseconsultancy.com

lavishlokhande@gmail.com

Mobile No.: +91 9969243030





***Hazardous Materials and
Hazardous Waste: Overview***

***Introduction to Institute of
Hazardous Materials Management (IHMM)***

***Professional Credentials offered
by IHMM***

Benefits of being certified by IHMM

***Path to become Certified Hazardous
Material Manager (CHMM) etc.***

Webinar



To develop the
pool of competent
professionals in the
field of Hazardous
Material
Management

Improve the
responsible
care specific to
hazardous
materials
within the
industry

Create
awareness on
the duty of
care within the
society



Hazardous Materials

Substances that pose a health hazard, a physical hazard, or harm to the environment, causes damage to the property.

Additionally, the substances are defined as '**hazardous**' if they are **defined**, regulated and **specifically listed** by the US Federal Laws such as;

- EPA
- OSHA
- DOT
- NRC
- IMO
- IATA
- ICAO
- AFMAN-24-204 (Air Force Manual)

A 'hazardous waste' is always a hazardous material, although a hazardous material is not always a hazardous waste.

Incidents Involving HazMats



20th May 2021, **X-Press Pearl** Singaporean container ship caught fire off the coast of Colombo, Sri Lanka.

1,486 containers, **25 tons of Nitric acid**, plus other chemicals, cosmetics and low-density polyethylene (LDPE) pellets

4th August, 2020, a catastrophic explosion shocked the city of Beirut, Killing more than 200 people, estimated property loss between \$15 Bn.

The cause of the explosion is appeared to 2,700 tonnes of **Ammonium Nitrate**



August 12, 2015, devastating explosion shocked the city **Tianjin**, in China. Warehouse with large quantities of hazardous **Sodium Cyanide** and **Potassium Nitrate** involved in the explosion.

1st explosion triggered due to spontaneously ignition of Nitrocellulose stored together with Sodium Cyanide & Potassium Nitrate. Followed by Ammonium Nitrate Explosion.



Institute for Hazardous Materials Management



- IHMM is founded in 1984, a non-profit organization, has been protecting the environment, public health, safety, and security through the creation of credentials recognizing professionals.
- **IHMM purpose:** Develop & promote professional standards for certification and to administer credible certification programs for individuals, who practice in disciplines involving the general management of hazardous materials and related areas.
- IHMM has certified over 17,000 hazardous materials professionals.
- <https://ihmm.org>

IHMM Administered Certifications Programs



IHMM certifications are internationally accredited by the highest of qualifications set by the American National Standards Institute (ANSI), the ISO/IEC 17024 standards.

Credentials programs administered by IHMM in two categories such as;

Hazardous Materials and Dangerous Goods Certifications

- Certified Hazardous Materials Manager (CHMM®)
- Certified Hazardous Materials Practitioner (CHMP®)
- Certified Dangerous Goods Professional (CDGP®)
- Certified Dangerous Goods Trainer (CDGT®)

IHMM Administered Additional Certifications Programs



In 2019, IHMM acquired ISHM (Institute of Safety & Health Management) and manages additional credential programs.

Environmental Health and Safety Certifications

- Certified Health & Safety Manager (CSHM)
- Certified Safety Management Practitioner (CSMP)
- Associate Safety and Health Manager (ASHM)



*Certified
Hazardous
Materials
Manager
(CHMM®)
Credential*

CHMM® is a professional who manages hazardous materials and waste to protect public health and safety and the environment and provides proper controls for material handling, transportation, and security through applicable scientific and engineering technologies, best management practices, resource management, and regulatory compliance.



- Certification is recognized throughout the United States and US multi-national companies.
- Recognition and respect through the use of the CHMM[®] designation.
- Accredited by the Council of Engineering and Safety Boards (CESB).
- Certified professional may get monetary benefits as well as career development, growth and advancement.
- Networking & professional development opportunities through membership in Academy of Certified Hazardous Materials Managers (ACHMM).



- University bachelor's degree from an accredited college or university.
- Transcript copy must be submitted (For a list of recognized agencies visit www.naces.org/members).
- Applicants with min 4 years of relevant experience (in the field of hazmat management or a related field).
- Submit online application along with (non refundable) registration fees of \$175.
- All applications are subject to audit by IHMM and must be approved before individual can take the exam.
- Note: Past evaluation carried out for professional or personal reasons may be accepted based on conditions.



CHMM Examination- Blue Print

Domains and Competencies	Percentage
1. Planning for Materials with Hazards	9.35
2. Shipping and Transporting Hazardous Waste & Hazardous Materials	10.34
3. Store Materials with Hazard	9.22
4. Facility Operations Involving Materials with Hazards	9.12
5. Disposition of Materials with Hazards	8.46
6. Record Keeping and Reporting	7.49
7. Training Personnel	8.07
8. Response and Recovery	7.95
9. Remediation	6.50
10. Management Systems	6.58
11. Environmental Studies	6.35
12. Health and Safety	10.57

Taking CHMM Examination

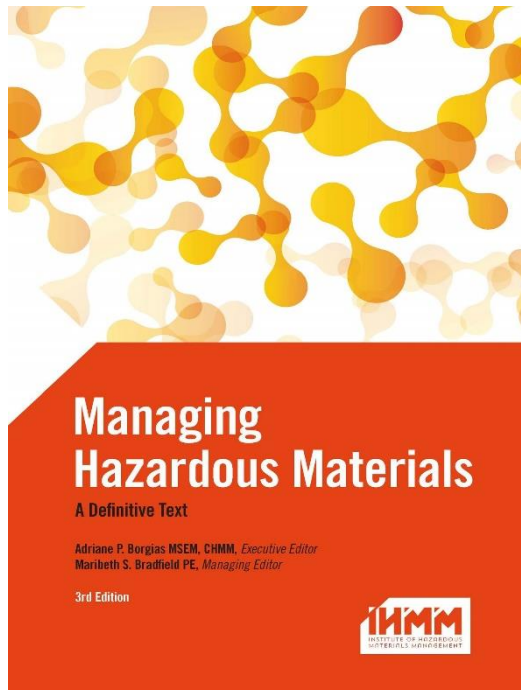
Online Examination



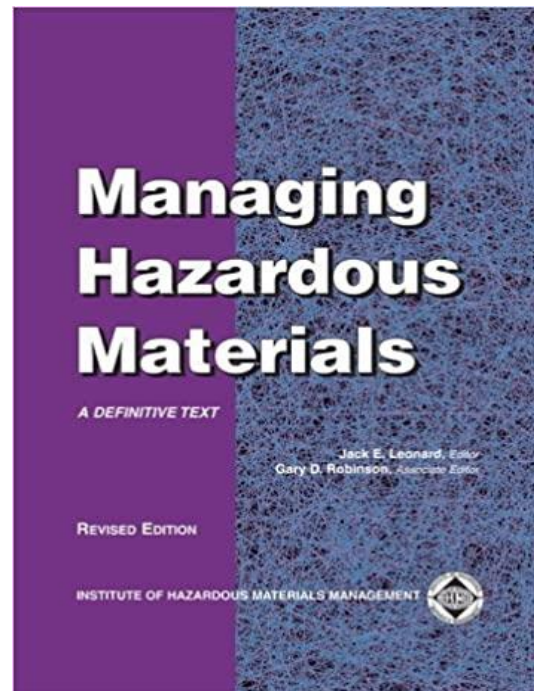
- Approved applications are marked as **Ready State**.
- Time period to appear for exam is 12 months.
- Language of Examination is English.
- Closed-book test, 140 multiple choice questions, 3 hours in duration.
- Examination scores reported as **scaled scores** - a value between 0 and 1000
- 3 Attempts, If you are still unsuccessful, with waiting period of at least 1 year and start process with fresh application



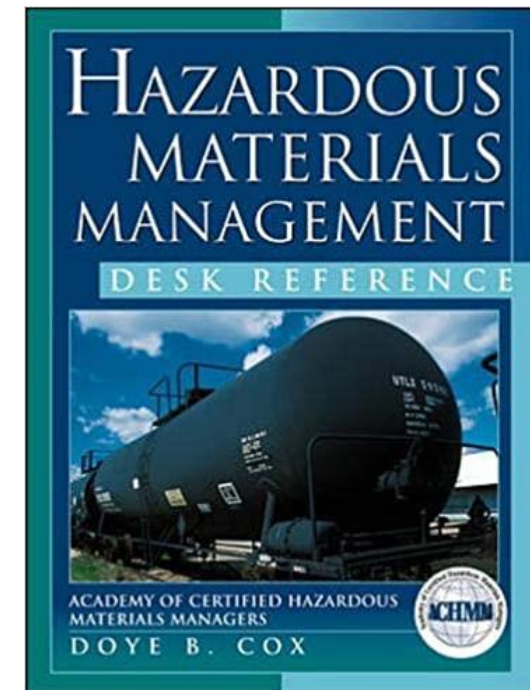
Managing Hazardous Materials:
A Definitive Text and E-Book
Both Reference Material 3rd
Edition 2015



Managing Hazardous Materials ,
A Definitive Text, by Jack
Leonard () & Gary Robinson
(CHMM)



Desk Reference Hazardous
Material Management
by Academy of Certified
Hazardous Materials
Managers, Author: Doye Cox





**Any
Questions?**

Thank You!

Lavish Lokhande CIH CSP CHMM CMIOSH EM-BEE